

Amendments to the Claims:

The status of the claims are as follows:

Claims 1-20 (Cancelled).

21. (Currently amended) Installation for the filtration of water by membranes, comprising a raw water inlet, connection to a drain, ~~a means of an~~ outlet of produced water, the membranes being immersed in a filtration volume filled with water to be filtered, whose height of water above the ~~said~~ membranes is adapted to create a differential pressure sufficient to provoke the filtration through ~~these~~ the membranes, wherein the membranes are of ~~the~~ fibre type with outer skin substantially disposed in a U-shape, whose two open ends are located at the bottom, ~~the~~ potting being carried out at the low point of the ~~said~~ membranes,

wherein the membranes are disposed in cylindrical containers thus forming modules, each said module comprising a raw water feed pipe connected to ~~the~~ a top section of the module.

22. (Previously added) Installation according to Claim 21, wherein the potting of the two ends of a same membrane is carried out at the same point.

23. (Currently amended) Installation according to Claim 21, wherein ~~the~~ a maximum pressure difference created in the filtration volume is approximately 0.6 bar.

24. (Currently amended) Installation according to Claim 23, wherein ~~the~~ a nominal pressure difference in the filtration volume is between 0.4 and 0.5 bar.

25. (Cancelled)

26. (Currently amended) Installation according to Claim ~~25~~ 21, wherein the membrane area of each module is substantially 125 m².

27. (Previously added) Installation according to Claim 26, wherein the modules are cylindrical containers substantially having a diameter of 30 cm and a length of 80 cm.

✓ 28. (Currently amended) Installation according to Claim ~~25~~ 21, wherein the modules are disposed substantially at ~~the~~ a bottom of a basin.

B 29. (Currently amended) Installation according to Claim 28, wherein the modules are gathered in groups around ~~means of collection~~ a collector of water coming from the filtration, to which ~~they~~ the modules are connected. *Pump?*

30. (Currently amended) Installation according to Claim 29, wherein each said group comprises two substantially parallel lines of 10 modules.

31. (Currently amended) Installation according to Claim ~~25~~ 21, wherein the modules are disposed substantially vertically.

32. (Currently amended) Installation according to Claim 31, wherein the ~~means of feeding the modules with~~ raw water are feed pipes ~~whose~~ have free ends are located substantially at mid-height of ~~the~~ a filtration basin.

33. (Currently amended) Installation according to Claim 32, wherein the feed pipes are, at ~~their~~ free ends, oriented downwards and ~~in that~~ wherein the installation comprises evacuation channels located under the ends of ~~theses~~ the feed pipes, the said channels being connected to a drainage valve discharging into the drain.

34. (Currently amended) Installation according to Claim 29, wherein each said collector ~~means~~ comprises a valve separating ~~this~~ the collector ~~means~~ from a ~~means of transfer~~ path of the produced water to a produced water outlet valve and a storage ~~means~~.

35. (Currently amended) Installation according to Claim 34, ~~wherein it~~ ~~comprises~~ further comprising a line for ~~the~~ re-injection of produced water into the transfer ~~means~~ path upstream of the produced water outlet valve and a re-injection pump located on ~~this~~ the line.

36. (Currently amended) Installation according to Claim 35, ~~wherein it~~ ~~comprises~~ further comprising a station for ~~the~~ injection of chlorine and a station for ~~the~~ injection of soda discharging into the re-injection line.

37. (Currently amended) Installation ~~for the filtration of water by membranes~~ according to Claim ~~25~~ 21, wherein the membrane modules are disposed at the bottom of a dry compartment, and ~~in that~~ wherein the modules are fed by gravity with water to be filtered by closed pipes, ~~these~~ said pipes also serving for conveying ~~the~~ backwashing water.

38. (Previously added) Method of filtration of water by immersed membranes, of the ultrafiltration membrane type, the filtration through the membranes being carried out using, as a source of differential pressure, the height of water present in the basin in which the membranes are immersed and are of the fibre type with outer skin, potted at the low point of the said membranes,

wherein the membranes are disposed in cylindrical containers thus forming modules, each module comprising a raw water feed pipe connected to the top section of the module.

39. (Previously added) Method of rehabilitation of an existing water purification unit of the so-called sand basin type, comprising a basin provided with a bottom floor, an intermediate floor on which the sand bed stands, a raw water inlet, wherein comprising stages of removal of the sand bed, of destruction of the intermediate floor, of installation of at least one intermediate channel for the evacuation of washing sludges located substantially at mid-height of the filtration basin and closed by a valve discharging into the drain, of installation on the bottom floor of a series of membrane ultrafiltration modules, the membranes being of the fibre type with outer skin potted at their low point, disposed in containers and the operating pressure of these membranes being created by the height of raw water stored in the basin above these membranes.

40. (Previously added) Method of rehabilitation according to Claim 39, wherein it further comprises a phase of testing the integrity of the membranes of a group comprising the following stages:

closing the produced water valve of a collector,
injection of compressed air into the collector of the group,
emptying by reverse filtration ("permeation") of the water contained on the permeate side,
stopping the compressed air supply,

measuring the pressure drop.

41. (Previously added) Installation according to Claim 22, wherein the maximum pressure difference created in the filtration volume is approximately 0.6 bar.

42. (Previously added) Installation according to Claim 26, wherein the modules are disposed substantially at the bottom of a basin.

43. (Previously added) Installation according to Claim 27, wherein the modules are disposed substantially at the bottom of a basin.

44. (Previously added) Installation according to Claim 26, wherein the modules are disposed substantially vertically.

45. (Previously added) Installation according to Claim 27, wherein the modules are disposed substantially vertically.

46. (Previously added) Installation according to Claim 28, wherein the modules are disposed substantially vertically.

47. (Previously added) Installation according to Claim 29, wherein the modules are disposed substantially vertically.

48. (Previously added) Installation according to Claim 30, wherein the modules are disposed substantially vertically.
